Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 7 of 10

Do not multiply! Decide by looking at the fraction. Multiplying by a fraction less than 1 makes a number smaller, by a fraction greater than 1 makes it bigger, and by a fraction equal to 1 keeps it the same. Write greater than, less than or equal to.

1. 6/6 × 41 is (greater than / less than / equal to) 41.

   Answer: _____

2. 1/6 × 46 is (greater than / less than / equal to) 46.

   Answer: _____

3. 7 × 1 1/2 is (greater than / less than / equal to) 7.

   Answer: _____

4. 2 2/5 × 37 is (greater than / less than / equal to) 37.

   Answer: _____

5. 14 × 2 1/6 is (greater than / less than / equal to) 14.

   Answer: _____

6. 3/8 × 10 is (greater than / less than / equal to) 10.

   Answer: _____

7. 1/3 × 45 is (greater than / less than / equal to) 45.

   Answer: _____

8. 19 × 5/5 is (greater than / less than / equal to) 19.

   Answer: _____

9. 1/5 × 28 is (greater than / less than / equal to) 28.

   Answer: _____

10. 21 × 2 7/10 is (greater than / less than / equal to) 21.

    Answer: _____

11. 25 × 2 1/3 is (greater than / less than / equal to) 25.

    Answer: _____

12. 3/3 × 21 is (greater than / less than / equal to) 21.

    Answer: _____

13. 1/2 × 9 is (greater than / less than / equal to) 9.

    Answer: _____

14. 40 × 1/2 is (greater than / less than / equal to) 40.

    Answer: _____

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 7 of 10

Do not multiply! Decide by looking at the fraction. Multiplying by a fraction less than 1 makes a number smaller, by a fraction greater than 1 makes it bigger, and by a fraction equal to 1 keeps it the same. Write greater than, less than or equal to.

1. 6/6 × 41 is (greater than / less than / equal to) 41.

   Answer: **equal to**

2. 1/6 × 46 is (greater than / less than / equal to) 46.

   Answer: **less than**

3. 7 × 1 1/2 is (greater than / less than / equal to) 7.

   Answer: **greater than**

4. 2 2/5 × 37 is (greater than / less than / equal to) 37.

   Answer: **greater than**

5. 14 × 2 1/6 is (greater than / less than / equal to) 14.

   Answer: **greater than**

6. 3/8 × 10 is (greater than / less than / equal to) 10.

   Answer: **less than**

7. 1/3 × 45 is (greater than / less than / equal to) 45.

   Answer: **less than**

8. 19 × 5/5 is (greater than / less than / equal to) 19.

   Answer: **equal to**

9. 1/5 × 28 is (greater than / less than / equal to) 28.

   Answer: **less than**

10. 21 × 2 7/10 is (greater than / less than / equal to) 21.

    Answer: **greater than**

11. 25 × 2 1/3 is (greater than / less than / equal to) 25.

    Answer: **greater than**

12. 3/3 × 21 is (greater than / less than / equal to) 21.

    Answer: **equal to**

13. 1/2 × 9 is (greater than / less than / equal to) 9.

    Answer: **less than**

14. 40 × 1/2 is (greater than / less than / equal to) 40.

    Answer: **less than**